

# SEQUENCE LISTING

<110> David J KYLE  
 <110> Arun K DHAR  
  
 <120> RNA-Mediated Interference to Control Disease in Terrestrial and  
 Aquaculture Animals  
  
 <130> E1975-00043  
  
 <140> IN: Not Yet Assigned  
 <141> 2006-09-06  
  
 <150> US 60/542,391  
 <151> 2004-04-06  
  
 <150> PCT US05/003715  
 <151> 2004-02-04  
  
 <160> 120  
  
 <170> PatentIn version 3.3  
  
 <210> 1  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against WSSV VP28 gene  
  
 <400> 1  
 gguuggauca ggcuaacuuct t 21  
  
  
 <210> 2  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against WSSV VP28 gene  
  
 <400> 2  
 gaaguagccu gauccaacct c 21  
  
  
 <210> 3  
 <211> 65  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 3  
 gatccggttg gatcaggcta cttcttcaag agagaagtag cctgatccaa cctctttttt 60

ggaaa 65

<210> 4  
 <211> 65  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Bottom strand oligonucleotide template for siRNA

<400> 4  
 agctttttcca aaaaagaggt tggatcaggc tactttctctc ttgaagaagt agcctgatcc 60

aaccg 65

<210> 5  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Sense siRNA strand against WSSV VP28 gene

<400> 5  
 ggcuacuca agaugacugt t 21

<210> 6  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Antisense siRNA strand against WSSV VP28 gene

<400> 6  
 cagucaucuu gaaguagcct g 21

<210> 7  
 <211> 65  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Top strand oligonucleotide template for siRNA

<400> 7  
 gatccggcta cttcaagatg actgttcaag agacagtcac cttgaagtag cctgtttttt 60

ggaaa 65

<210> 8

<211> 65  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 8  
 agctttttcca aaaaacaggc tacttcaaga tgactgtctc ttgaacagtc atcttgaagt 60  
 agccg 65  
  
 <210> 9  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against WSSV VP28 gene  
  
 <400> 9  
 gguguggaac aacacauca t 21  
  
 <210> 10  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against WSSV VP28 gene  
  
 <400> 10  
 ugauguguug uuccacacct t 21  
  
 <210> 11  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 11  
 gatccggtgt ggaacaacac atcattcaag agatgatgtg ttgttccaca ctttttttgg 60  
 aaa 63  
  
 <210> 12  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>

<223> Bottom strand oligonucleotide template for siRNA

<400> 12  
agctttttcca aaaaagggtgt ggaacaacac atcatctctt gaatgatgtg ttgttccaca 60  
ccg 63

<210> 13  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> Sense siRNA strand against WSSV VP26 gene

<400> 13  
gggcaaaggu aaugucaaut t 21

<210> 14  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> Antisense siRNA strand against WSSV VP26 gene

<400> 14  
auugacauua ccuuugccct t 21

<210> 15  
<211> 63  
<212> DNA  
<213> Artificial

<220>  
<223> Top strand oligonucleotide template for siRNA

<400> 15  
gatccgggca aaggtaatgt caatttcaag agaattgaca ttacctttgc ccttttttgg 60  
aaa 63

<210> 16  
<211> 63  
<212> DNA  
<213> Artificial

<220>  
<223> Bottom strand oligonucleotide template for siRNA

<400> 16  
agctttttcca aaaaagggca aaggtaatgt caattctctt gaaattgaca ttacctttgc 60

ccg	63
<210> 17	
<211> 21	
<212> DNA	
<213> Artificial	
<220>	
<223> Sense siRNA strand against WSSV VP26 gene	
<400> 17	
gguccuacaa uacuccucut t	21
<210> 18	
<211> 21	
<212> DNA	
<213> Artificial	
<220>	
<223> Antisense siRNA strand against WSSV VP26 gene	
<400> 18	
agaggaguau uguaggacct c	21
<210> 19	
<211> 65	
<212> DNA	
<213> Artificial	
<220>	
<223> Top strand oligonucleotide template for siRNA	
<400> 19	
gatccggtcc tacaatactc ctctttcaag agaagaggag tattgtagga cctctttttt	60
ggaaa	65
<210> 20	
<211> 65	
<212> DNA	
<213> Artificial	
<220>	
<223> Bottom strand oligonucleotide template for siRNA	
<400> 20	
agctttttcca aaaaagagggt cctacaatac tcctcttctc ttgaaagagg agtattgtag	60
gaccg	65
<210> 21	
<211> 21	

<212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against WSSV VP26 gene  
  
 <400> 21  
 ggaaacauua agggaaauat t 21  
  
 <210> 22  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against WSSV VP26 gene  
  
 <400> 22  
 uauuuuccuu aauguuucct g 21  
  
 <210> 23  
 <211> 64  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 23  
 gatccgaaac attaagggaa atattcaaga gatatttccc ttaatgtttc ctgttttttg 60  
 gaaa 64  
  
 <210> 24  
 <211> 62  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 24  
 agctttttcca aaaaagaaac attaagggaa atatctcttg aatatttccc ttaatgtttc 60  
 cg 62  
  
 <210> 25  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against WSSV ProIn gene

<400> 25  
 gggaagaauu cuacaagaat t 21

<210> 26  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Antisense siRNA strand against WSSV ProIn gene

<400> 26  
 uucuuguaga auucuuccct g 21

<210> 27  
 <211> 65  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Top strand oligonucleotide template for siRNA

<400> 27  
 gatccgggaa gaattctaca agaattcaag agattcttgt agaattcttc cctgtttttt 60  
 ggaaa 65

<210> 28  
 <211> 65  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Bottom strand oligonucleotide template for siRNA

<400> 28  
 agctttttcca aaaaacaggg aagaattcta caagaatctc ttgaattctt gtagaattct 60  
 tcccg 65

<210> 29  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Sense siRNA strand against WSSV ProIn gene

<400> 29  
 gggacccuuu caugaaacat t 21

<210> 30  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against WSSV ProIn gene  
  
 <400> 30  
 uguuucauga aaggguccct t 21  
  
 <210> 31  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 31  
 gatccgggac cctttcatga aacattcaag agatgtttca tgaaagggtc ccttttttgg 60  
 aaa 63  
  
 <210> 32  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 32  
 agctttttcca aaaaagggtc cctttcatga aacatctctt gaatgtttca tgaaagggtc 60  
 ccg 63  
  
 <210> 33  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against WSSV ProIn gene  
  
 <400> 33  
 ggcauacaga ugcccuuat t 21  
  
 <210> 34  
 <211> 21  
 <212> DNA  
 <213> Artificial



<220>  
 <223> Antisense siRNA strand against WSSV ProIn gene  
  
 <400> 34  
 uaaagggcac ucuuauucgac t 21  
  
 <210> 35  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 35  
 gatccggcat acagatgccc ttatttcaag agataaagg catctgtatg ctttttttgg 60  
 aaa 63  
  
 <210> 36  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 36  
 agcttttcca aaaaaggcat acagatgccc ttatttcttt gaataaagg catctgtatg 60  
 ccg 63  
  
 <210> 37  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against WSSV Rr092 gene  
  
 <400> 37  
 ggaagauca ucuguucgat t 21  
  
 <210> 38  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against WSSV Rr092 gene  
  
 <400> 38  
 ucgaacagau gaaucucct g 21

<210> 39  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 39  
 gatccgaaga ttcattctgtt cgattcaaga gatcgaacag atgaatcttc ctgttttttg 60  
 aaa 63  
  
 <210> 40  
 <211> 65  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 40  
 agctttttcca aaaaacagga agattcatct gttagatctc ttgaatcgaa cagatgaatc 60  
 ttccg 65  
  
 <210> 41  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against WSSV Rr092 gene  
  
 <400> 41  
 ggacaugauu augcgugugt t 21  
  
 <210> 42  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against WSSV Rr092 gene  
  
 <400> 42  
 cacacgcaua aucaugucct g 21  
  
 <210> 43  
 <211> 65  
 <212> DNA

<213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 43  
 gatccggaca tgattatgcg tgtgttcaag agacacacgc ataatcatgt cctgtttttt 60  
 ggaaa 65  
  
 <210> 44  
 <211> 65  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 44  
 agctttttcca aaaaacagga catgattatg cgtgtgtctc ttgaacacac gcataatcat 60  
 gtccg 65  
  
 <210> 45  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against WSSV Rr092 gene  
  
 <400> 45  
 ggauaccauc aauagaaagt t 21  
  
 <210> 46  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against WSSV Rr092 gene  
  
 <400> 46  
 cuuucuauug augguaucct t 21  
  
 <210> 47  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA

<400> 47  
 gatccggata ccatcaatag aaagttcaag agactttcta ttgatggat ccttttttgg 60  
 aaa 63

<210> 48  
 <211> 63  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Bottom strand oligonucleotide template for siRNA

<400> 48  
 agcttttcca aaaaaggata ccatcaatag aaagtctctt gaactttcta ttgatggat 60  
 ccg 63

<210> 49  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Sense siRNA strand against WSSV DNAPol gene

<400> 49  
 ggaagugguc aucuacgact t 21

<210> 50  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Antisense siRNA strand against WSSV DNAPol gene

<400> 50  
 gucguagaug accacuucct t 21

<210> 51  
 <211> 63  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Top strand oligonucleotide template for siRNA

<400> 51  
 gatccggaag tggatcatcta cgacttcaag agagtcgtag atgaccactt ccttttttgg 60  
 aaa 63

<210> 52  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 52  
 agctttttcca aaaaaggaag tggatcatcta cgactctctt gaagtcgtag atgaccactt 60  
  
 ccg 63  
  
 <210> 53  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against WSSV DNAPol gene  
  
 <400> 53  
 ggaagaacau gaaacuguct t 21  
  
 <210> 54  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against WSSV DNAPol gene  
  
 <400> 54  
 gacaguuuca uguucuucct t 21  
  
 <210> 55  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 55  
 gatccggaag aacatgaaac tgtcttcaag agagacagtt tcatgttctt ccttttttgg 60  
  
 aaa 63  
  
 <210> 56  
 <211> 63  
 <212> DNA  
 <213> Artificial



<220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 56  
 agctttttcca aaaaaggaag aacatgaaac tgtctctctt gaagacagtt tcatgttctt 60  
  
 ccg 63  
  
 <210> 57  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against WSSV DNAPol gene  
  
 <400> 57  
 ggagcauugu cauuuaauat t 21  
  
 <210> 58  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against WSSV DNAPol gene  
  
 <400> 58  
 uauuaaauga caaugcucct c 21  
  
 <210> 59  
 <211> 65  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 59  
 gatccggagc attgtcattt aatattcaag agatattaaa tgacaatgct cctctttttt 60  
  
 ggaaa 65  
  
 <210> 60  
 <211> 65  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 60







agctttttcca aaaaagagga gcattgtcat ttaatatctc ttgaatatta aatgacaatg 60

ctccg 65

<210> 61  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Sense siRNA strand against Taura syndrome virus RdRp gene

<400> 61  
 ggagugucua augcggagat t 21

<210> 62  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Antisense siRNA strand against Taura syndrome virus RdRp gene

<400> 62  
 ucuccgcauu agacacucct g 21

<210> 63  
 <211> 65  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Top strand oligonucleotide template for siRNA

<400> 63  
 gatccggagt gtctaatagcg gagattcaag agatctccgc attagacact cctgtttttt 60

ggaaa 65

<210> 64  
 <211> 65  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Bottom strand oligonucleotide template for siRNA

<400> 64  
 agctttttcca aaaaacagga gtgtctaatac cggagatctc ttgaatctcc gcattagaca 60

ctccg 65

<210> 65  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against Taura syndrome virus RdRp gene  
  
 <400> 65  
 gggaagagcg gaaagcagat t 21  
  
 <210> 66  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against Taura syndrome virus RdRp gene  
  
 <400> 66  
 ucugcuuucc gcucuuccct t 21  
  
 <210> 67  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 67  
 gatccgggaa gagcggaaaag cagattcaag agatctgctt tccgctcttc ctttttttgg 60  
 aaa 63  
  
 <210> 68  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 68  
 agctttttcca aaaaagggaag gagcggaaaag cagatctctt gaatctgctt tccgctcttc 60  
 ccg 63  
  
 <210> 69  
 <211> 21  
 <212> DNA  
 <213> Artificial



<220>  
 <223> Sense siRNA strand against Taura syndrome virus RdRp gene  
  
 <400> 69  
 ggaauucauu guugacaact t 21  
  
 <210> 70  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against Taura syndrome virus RdRp gene  
  
 <400> 70  
 guugucaaca augaauucct c 21  
  
 <210> 71  
 <211> 65  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 71  
 gatccggaat tcattgttga caacttcaag agagttgtca acaatgaatt cctctttttt 60  
 ggaaa 65  
  
 <210> 72  
 <211> 65  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 72  
 agctttttcca aaaaagagga attcattggt gacaactctc ttgaagttgt caacaatgaa 60  
 ttccg 65  
  
 <210> 73  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against Taura syndrome virus vp1 gene  
  
 <400> 73  
 ggauuggaug agaagucuat t 21

<210> 74  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against Taura syndrome virus vp1 gene  
  
 <400> 74  
 uagacaucuc auccaucct t 21  
  
 <210> 75  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 75  
 gatccgatt ggatgagatg tctattcaag agatagacat ctcaccaat ccttttttgg 60  
 aaa 63  
  
 <210> 76  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 76  
 agcttttcca aaaaaggatt ggatgagatg tctatctctt gaatagacat ctcaccaat 60  
 ccg 63  
  
 <210> 77  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against Taura syndrome virus vp1 gene  
  
 <400> 77  
 gguacgcuug cuaaagcagt t 21  
  
 <210> 78  
 <211> 21  
 <212> DNA

<213> Artificial  
 <220>  
 <223> Antisense siRNA strand against Taura syndrome virus vp1 gene  
 <400> 78  
 cugcuuuagc aagcguacct g 21  
 <210> 79  
 <211> 65  
 <212> DNA  
 <213> Artificial  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
 <400> 79  
 gatccggtac gcttgctaaa gcagttcaag agactgcttt agcaagcgta cctgtttttt 60  
 ggaaa 65  
 <210> 80  
 <211> 65  
 <212> DNA  
 <213> Artificial  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
 <400> 80  
 agctttttcca aaaaacaggt acgcttgcta aagcagtctc ttgaactgct ttagcaagcg 60  
 taccg 65  
 <210> 81  
 <211> 21  
 <212> DNA  
 <213> Artificial  
 <220>  
 <223> Sense siRNA strand against Taura syndrome virus vp1 gene  
 <400> 81  
 ggauacgaag gugucuuugt t 21  
 <210> 82  
 <211> 21  
 <212> DNA  
 <213> Artificial  
 <220>  
 <223> Antisense siRNA strand against Taura syndrome virus vp1 gene

<400> 82  
 caaagacacc uucguaucct g 21

<210> 83  
 <211> 65  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Top strand oligonucleotide template for siRNA

<400> 83  
 gatccggata cgaaggtgtc tttgttcaag agacaaagac accttcgtat cctgtttttt 60  
 ggaaa 65

<210> 84  
 <211> 65  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Bottom strand oligonucleotide template for siRNA

<400> 84  
 agctttttcca aaaaacagga tacgaaggtg tctttgtctc ttgaacaaag acaccttcgt 60  
 atccg 65

<210> 85  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Sense siRNA strand against YHV YHVgp gene

<400> 85  
 ggucgcgcaua ucauuuauat t 21

<210> 86  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Antisense siRNA strand against YHV YHVgp gene

<400> 86  
 uauaaugau augcgagcct g 21

<210> 87



<211> 65  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 87  
 gatccggctc gcatatcatt tatattcaag agatataaat gatatgcgag cctgtttttt 60  
 ggaaa 65  
  
 <210> 88  
 <211> 65  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 88  
 agctttttcca aaaaacaggc tcgcatatca tttatatctc ttgaatataa atgatatgcg 60  
 agccg 65  
  
 <210> 89  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against YHV YHVgp gene  
  
 <400> 89  
 ggauauccuc ccgccaacat t 21  
  
 <210> 90  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against YHV YHVgp gene  
  
 <400> 90  
 uguuggcggg aggauaucct t 21  
  
 <210> 91  
 <211> 63  
 <212> DNA  
 <213> Artificial  
  
 <220>

<223> Top strand oligonucleotide template for siRNA

<400> 91  
gatccggata tcctcccgcc aacattcaag agatgttggc gggaggatat ccttttttgg 60  
aaa 63

<210> 92  
<211> 63  
<212> DNA  
<213> Artificial

<220>  
<223> Bottom strand oligonucleotide template for siRNA

<400> 92  
agctttttcca aaaaaggata tcctcccgcc aacatctctt gaatgttggc gggaggatat 60  
ccg 63

<210> 93  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> Sense siRNA strand against YHV YHVgp gene

<400> 93  
ggucuuuguu augaaguagt t 21

<210> 94  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> Antisense siRNA strand against YHV YHVgp gene

<400> 94  
cuacuucaua acaaagacct t 21

<210> 95  
<211> 63  
<212> DNA  
<213> Artificial

<220>  
<223> Top strand oligonucleotide template for siRNA

<400> 95  
gatccggtct ttgttatgaa gtagttcaag agactacttc ataacaaaga ccttttttgg 60

aaa	63
<210> 96	
<211> 63	
<212> DNA	
<213> Artificial	
<220>	
<223> Bottom strand oligonucleotide template for siRNA	
<400> 96	
agctttttcca aaaaaggtct ttgttatgaa gtagtctctt gaactacttc ataacaaaga	60
ccg	63
<210> 97	
<211> 21	
<212> DNA	
<213> Artificial	
<220>	
<223> Sense siRNA strand against IHNV orf1 gene	
<400> 97	
ggacauacug cauacacgut t	21
<210> 98	
<211> 21	
<212> DNA	
<213> Artificial	
<220>	
<223> Antisense siRNA strand against IHNV orf1 gene	
<400> 98	
acgugaugc aguaugucct t	21
<210> 99	
<211> 63	
<212> DNA	
<213> Artificial	
<220>	
<223> Top strand oligonucleotide template for siRNA	
<400> 99	
gatccggaca tactgcatac acgtttcaag agaacgtgta tgcagtatgt ccttttttgg	60
aaa	63
<210> 100	
<211> 63	

<212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 100  
 agctttttcca aaaaaggaca tactgcatac acgttctctt gaaacgtgta tgcagtatgt 60  
 ccg 63  
  
 <210> 101  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against IHNV orf1 gene  
  
 <400> 101  
 gguccaaauc aagaccuat t 21  
  
 <210> 102  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against IHNV orf1 gene  
  
 <400> 102  
 uagggucuug auuuggacct g 21  
  
 <210> 103  
 <211> 65  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 103  
 gatccggtcc aatcaagac cctattcaag agatagggtc ttgatttgga cctgtttttt 60  
 ggaaa 65  
  
 <210> 104  
 <211> 65  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA

<400> 104  
 agctttttcca aaaaacaggt ccaaatcaag accctatctc ttgaataggg tcttgatttg 60  
 gaccg 65

<210> 105  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Sense siRNA strand against IHHNV orf1 gene

<400> 105  
 ggacaauaua aagacaaact t 21

<210> 106  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Antisense siRNA strand against IHHNV orf1 gene

<400> 106  
 guuugucuuu auauugucct c 21

<210> 107  
 <211> 65  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Top strand oligonucleotide template for siRNA

<400> 107  
 gatccggaca atataaagac aaacttcaag agagtttgtc tttatattgt cctctttttt 60  
 ggaaa 65

<210> 108  
 <211> 65  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Bottom strand oligonucleotide template for siRNA

<400> 108  
 agctttttcca aaaaagagga caatataaag acaaactctc ttgaagtttg tctttatatt 60  
 gtccg 65

<210> 109  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Sense siRNA strand against IHHNV orf2 gene

<400> 109  
 ggaucaagug gaccagacct t 21

<210> 110  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Antisense siRNA strand against IHHNV orf2 gene

<400> 110  
 ggucuggucc acuugaucct t 21

<210> 111  
 <211> 63  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Top strand oligonucleotide template for siRNA

<400> 111  
 gatccggatc aagtggacca gaccttcaag agaggtctgg tccacttgat ccttttttgg 60  
 aaa 63

<210> 112  
 <211> 63  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Bottom strand oligonucleotide template for siRNA

<400> 112  
 agcttttcca aaaaaggatc aagtggacca gaccttctctt gaaggtctgg tccacttgat 60  
 ccg 63

<210> 113  
 <211> 21  
 <212> DNA

<213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against IHNV orf2 gene  
  
 <400> 113  
 ggaggcacau cauuugagat t 21  
  
 <210> 114  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Antisense siRNA strand against IHNV orf2 gene  
  
 <400> 114  
 ucucaaauga ugugccucct g 21  
  
 <210> 115  
 <211> 65  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Top strand oligonucleotide template for siRNA  
  
 <400> 115  
 gatccggagg cacatcattt gagattcaag agatctcaaa tgatgtgcct cctgtttttt 60  
 ggaaa 65  
  
 <210> 116  
 <211> 65  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Bottom strand oligonucleotide template for siRNA  
  
 <400> 116  
 agctttttcca aaaaacagga ggcacatcat ttgagatctc ttgaatctca aatgatgtgc 60  
 ctccg 65  
  
 <210> 117  
 <211> 21  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> Sense siRNA strand against IHNV orf2 gene

<400> 117  
 ggauacuacu ggacuacaut t 21

<210> 118  
 <211> 21  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Antisense siRNA strand against IHHNV orf2 gene

<400> 118  
 auguagucca guaguaucct t 21

<210> 119  
 <211> 63  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Top strand oligonucleotide template for siRNA

<400> 119  
 gatccggata ctactggact acatttcaag agaatgtagt ccagtagtat cctttttttgg 60  
 aaa 63

<210> 120  
 <211> 63  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Bottom strand oligonucleotide template for siRNA

<400> 120  
 agctttttcca aaaaaggata ctactggact acatttctctt gaaatgtagt ccagtagtat 60  
 ccg 63